Abstract

Apparatus for transforming computer software having a branch operation for conditionally bypassing a memory write operation. The apparatus includes computer executable program code stored in one or more computer readable storage media. The computer executable program code includes code for creating a storage location, code for moving the memory write operation above the branch operation, code for selecting a target address for the memory write operation, wherein the storage location is selected if the branch operation bypasses the memory write operation, and code for replacing an address in the memory write operation with the target address.